

FIG. 1A

1 GGATAAGCCT GGGGCCAGCA TGAGCCAGAG GGAGGGAAGT CTGGAAGACC
 CCTATTCGA CCCCGGTCGT ACTCGGTCTC CCTCCCTTCA GACCTTCTGG
 1 M S Q R E G S L E D H

51 ACCAGACTGA CTCCTCAATC TCATTCCTAC CCCATTGGA GGCCAAGATC
 TGGTCTGACT GAGGAGTTAG AGTAAGGATG GGGTAAACT CCGGTTCTAG
 12 Q T D S S I S F L P H L E A K I

101 CGCCAGACAC ACAACCTTGC CCGCCCCTCTG ACCAAAATATG CAGAACAACT
 GCGGTCTGTG TGTTGGAACG GGCGGAGGAC TGGTTTATAC GTCTTGTTGA
 28 R Q T H N L A R L L T K Y A E Q L

151 TCTGGAGGAA TACGTGCAGC AACAGGGAGA GCCCTTTGGG CTGCCGGGCT
 AGACCTCCTT ATGCACGTCG TTGTCCCTCT CGGGAAACC GACGGCCCGA
 45 L E E Y V Q Q Q G E P F G L P G F

201 TCTCACCACC GCGGCTGCCG CTGGCGGCCC TGAGTGGCCC GGCTCCGAGC
 AGAGTGGTGG CGCCGACGGC GACCGGCCGG ACTCACCGGG CCGAGGCTCG
 62 S P P R L P L A G L S G P A P S

251 CATGCAGGGC TACCGGTGTC CGAGCGGCTG CGGCAGGATG CAGCCGCCCT
 GTACGTCCCCG ATGGCCACAG GCTCGGCAC GCCGTCCTAC GTCGGCGGGGA
 78 H A G L P V S E R L R Q D A A A L

301 GAGTGTGCTG CCCGCGCTGT TGGATGCCGT CCGCCGCCCGC CAGGGGAGC
 CTCAACGAC GGGCCGACA ACTACGGA GCGGCGGCGG GTCCGCCTCG
 95 S V L P A L L D A V R R R Q A E L

351 TGAACCCGCG CGCCCCCGCGC CTGCTGCGA GACCTGGAGGGA CGCAGCCCCGC
 ACTTGGGCGC GCGGGGCCGC GACGACGCC CGGACCTCCCT GCGTGGGCG
 112 N P R A P R L L R S L E D A A R

401 CAGGTTCGGG CCCCTGGCGC CGCGGTGGAG ACAGTGCTGGG CCGCGCTGGG
 GTCCAAGGCCC GGGACCGCGC GCGCCACCTC TGTCACGACC GGCGCGACC
 128 Q V R A L G A A V E T V L A A L G

451 CGCTGCAGC CGCGGGCCC GGCAGAGGCC CGTACCCGTC GCCCACCCTCT
 GCGACGTCGG GCGCCCCGGGC CCGTCTCCGG GCAGTGGCAG CGGTGGGAGA
 145 A A A R G P G P E P V T V A T L F

501 TCACGGCAA CAGCACTGCA GGCATCTTCT CAGCCAAGGT GCTGGGGTTC
 AGTGCCCGGT GTCGTGACGT CCGTAGAAGA GTCGGGTTCCA CGACCCCAAA
 162 T A N S T A G I F S A K V L G F

551 CACGTGTGCGG GCCCTTATGGG CGAGTGGGTG AGCCGCACAG AGGGCGACCT
 GTGCACACGC CGGAGATACC GCTCACCCAC TCGGCGTGTC TCCCGCTGGA
 178 H V C G L Y G E W V S R T E G D L

601 GGGCAGCGTG GTGCCAGGGG GCGTCGCCCTG AGAGTGAATA CTTTTTCTTG
 CCCGGTCGAC CACGGTCCCC CGCAGCGGAC TCTCACTTAT GAAAAAGAAC
 195 G Q L V P G G V A O

FIG. 1B

651 TAAGCTCGCT CTGTCTCGCC TCTTGGCTT CAAATTTCT GTCTCTCCAT
ATTGAGCGA GACAGAGCGG AGAAACCGAA GTTAAAAGA CAGAGAGGTA

701 CTGTGTCTG TGTGTTCTTG GGCTGTCCCT ATCTTCTGC ATTTGTGTGG
GACACAGGAC ACACAAGAAC CCGACAGGGA TAGAAAGACG TAAACACACC

751 TCTCTCTCTT CTGCTCTCCT CTCTGCAGGG AGCTTCTTT TTCCAACAGT
AGAGAGAGAA GACGAGAGGA GAGACGTCCC TCGAAGAAAA AAGGTTGTCA

801 TTCTCGTTT GTCTCTCTCC AGTCTTGAAC ACTTTGTCT CCGAGAGGTC
AAGAGCAAAA CAGAGAGAGG TCAGAACTTG TGAAAACAGA GGCTCTCCAG

851 TCTTTTGTTC TCCTGTCTC TTGGTTCTTT CTTGCTTGC TTGCTTGCTT
AGAAAAACAA AGGAACAGAG AACCAAGAAA GAAACGAACG AACGAACGAA

901 GCTTGCTTGT TGTTGAGACA GGGTCTCACC ATATAGCTCT GGATGGCCTG
CGAACGAACA ACAACTCTGT CCCAGAGTGG TATATCGAGA CCTACCGGAC

951 GAACTTGCTA TGTAGGCCAG GCTGGCCTCC AGCTCATAGA GATCCACTTG
CTTGAACGAT ACATCCGGTC CGACCGGAGG TCGAGTATCT CTAGGTGAAC

1001 CCTCCGACTC CCAATTTCCC CATCTGTCTC CCTGTGATCC ATATGGGTAT
GGAGGCTGAG GGTTAAAGGG GTAGACAGAG GGACACTAGG TATAACCCATA

1051 GTGTAACCCT TACTTTGTCT CATGGAGGTG ACAATTTTC TCCCTTCAGT
CACATTGGGA ATGAAACAGA GTACCTCCAC TGTTAAAAG AGGGAAGTCA

1101 TTCTTTGTTC TTTACTGACC AGAAAAGTGC CTACTTGTCC CCTGGTGGCA
AAGAAACAAG AAATGACTGG TCTTTTCACG GATGAACAGG GGACCACCGT

1151 AGGCCATTCA CCTTAGGACC TTCCCACCAG TTCCCTTGTA GGCAAATCCC
TCCGTAAGT GGAATCCTGG AAGGGTGGTC AAGGAAACAT CCGTTTAGGG

1201 TCCCCCTTTG AGGTCTTCC CTTTCATACC GCCCTAGGCT GGTCAATGGA
AGGGGGAAAC TCCAGGAAGG GAAAGTATGG CGGGATCCGA CCAGTTACCT

1251 GAGAGAAAGG CAGAAAAACA TCTTAAAGA GTTTTATTTG AGAATAAATT
CTCTCTTCC GTCTTTGT AGAAATTCT CAAAATAAAC TCTTATTTAA

1301 AATTTTGTA AATAAAATGT TTAACAATAA AACTAAACTT TTATGAAAAA
TTAAAAACAT TTATTTACA AATTGTTATT TTGATTTGAA AATACTTTT

1351 AA (polyA)
TT

FIG. 2

chf. 781	MSQREGSLEDHQTDSSISFLPHLEAKIRQTHNLARLLTKYAEQLLEEVQ	10	20	30	40	50
		**		***		***
humcntf	MAFTEHSPLTPHRRDLCRSIWLARKIRSDLTALTESYVK	10	20	30	40	
chf. 781	QQGEPFGLPGFSPPRLPLAGLSGPAPSHAGLPVSERLRQDAAALSVLPAL	60	70	80	90	100
		**	*	***	***	*
humcntf	HQGLNKNINLDSADGMPVA---STDQWSELTEAERLQENLQAYRTFHVL	50	60	70	80	
chf. 781	LD-AVRRRQAELNPRAPRLLRSLEDAARQVRALGAAVETVLAALGAAARG	110	120	130	140	
		*	*	***	*	*
humcntf	LARLLEDQQVHFTPTEGDFHQAIHTLLLQVAAFAYQIEELMILLEYKIPR	90	100	110	120	130
chf. 781	PGPEPVTVATLFTANSTAGIFSAKVLGFHVCGLYGEWVSRTEGDLGQLVP	150	160	170	180	190
		***	*	***	*	***
humcntf	NEADGMPINV----GDGGLFEKKLWGLKVLQELSQWTVRSIHDL-RFIS	140	150	160	170	180
chf. 781	GGVAO	200				
humcntf	SHQTGIPARGSHYIANNKKM	190	200			

FIG. 3

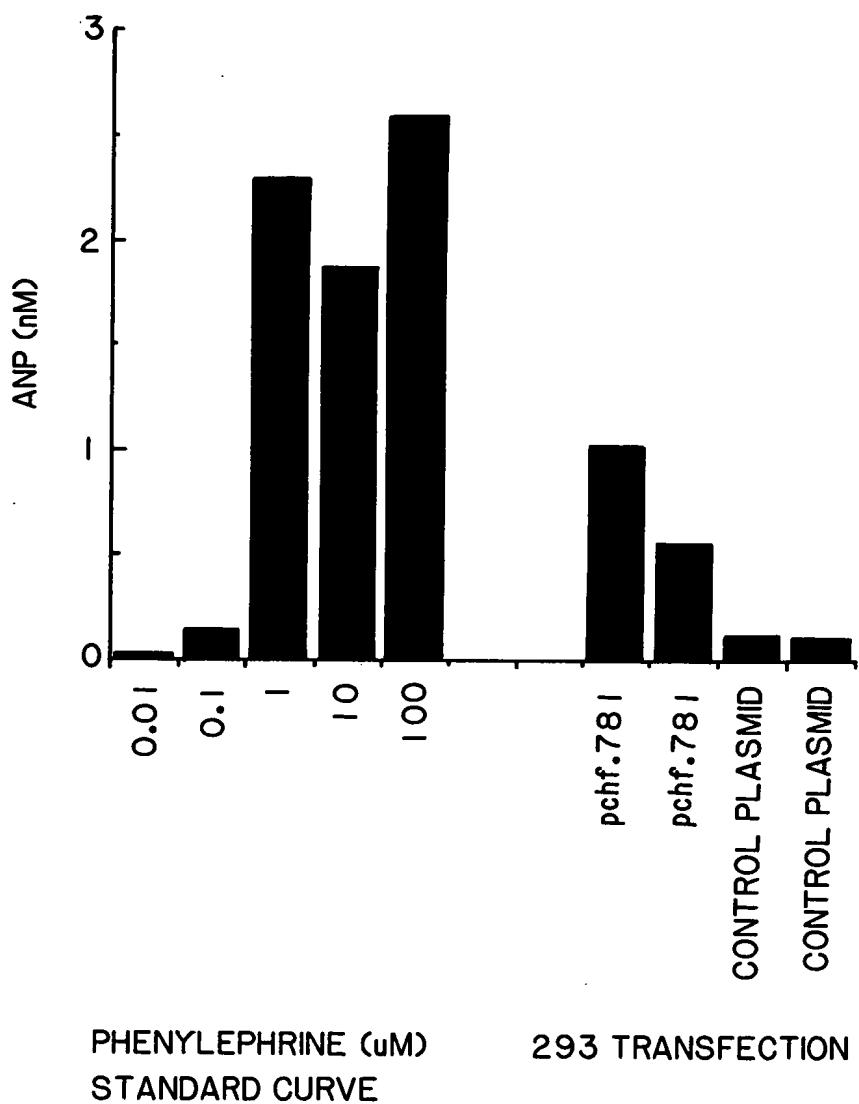


FIG. 4

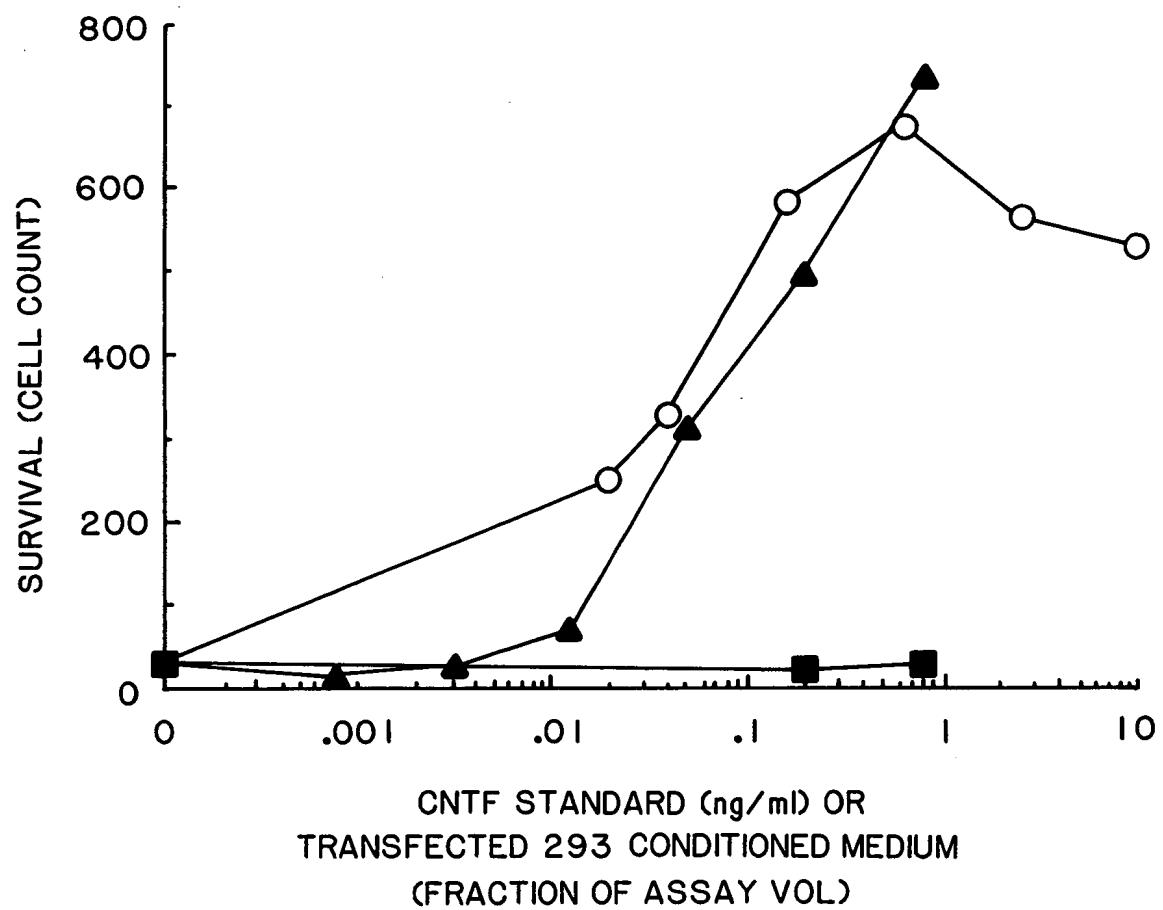


FIG. 5A

1 GTGAAGGGAG CCGGGATCAG CCAGGGGCCA GCATGAGCCG GAGGGAGGGA
1 CACTCCCTC GGCCCTAGTC GGTCCCCGGT CGTACTCGGC CTCCCTCCCT
M S R R E G

51 AGTCTGGAAG ACCCCCAGAC TGATTCCTCA GTCTCACTTC TTCCCCACTT
7 TCAGACCTTC TGGGGGTCTG ACTAAGGAGT CAGAGTGAAG AAGGGGTGAA
S L E D P Q T D S S V S L L P H L

101 GGAGGCCAAG ATCCGTCAGA CACACAGCCT TGCGCACCTC CTCACCAAAT
24 CCTCCGGTTC TAGGCAGTCT GTGTGTCGGA ACGCGTGGAG GAGTGGTTA
E A K I R Q T H S L A H L L T K Y

151 ACGCTGAGCA GCTGCTCCAG GAATATGTGC AGCTCCAGGG AGACCCCTTC
41 TGCGACTCGT CGACGGAGTC CTTATACACG TCGAGGGTCCC TCTGGGAAG
A E Q L L Q E Y V Q L Q G D P F

201 GGGCTGCCA GCTTCTCGCC GCCGCGGCTG CCGGTGGCCG GCCTGAGCGC
57 CCCGACGGGT CGAAGAGCGG CGGCGCCGAC GGCCACCGGC CGGACTCGCG
G L P S F S P P R L P V A G L S A

251 CCCGGCTCCG AGCCACGCGG GGCTGCCAGT GCACGAGCGG CTGCGGCTGG
74 GGGCCGAGGC TCGGTGCGCC CCGACGGTCA CGTGTGTCGCC GACGCCGACC
P A P S H A G L P V H E R L R L D

301 ACGCGGCGGC GCTGGCCGCG CTGCCCCCGC TGCTGGACGC AGTGTGTCGC
91 TGCGCCGCG CGACCGGCGC GACGGGGCG ACACCTGCG TCACACAGCG
A A A L A A L P P L L D A V C R

351 CGCCAGGCCG AGCTGAACCC GCGCGCGCCG CGCCTGCTGC GCCGCCTGGA
107 GCGGTCCGGC TCGACTTGGG CGCGCGCGC GCGGACGACG CGGCGGACCT
R Q A E L N P R A P R L L R R L E

401 GGACCGCGCG CGCCAGGCCG GGGCCCTGGG CGCCGCCGTG GAGGCCTTGC
124 CCTGCGCCGC GCGGTCCGGG CCCGGGACCC GCGGCGGCAC CTCCGGAACG
D A A R Q A R A L G A A V E A L L

451 TGGCCGCGCT GGGCGCCGCC AACCGCGGGC CCCGGGCCGA GCCCCCCGCC
141 ACCGGCGCGA CCCGCGCGGG TTGGCGCCCG GGGCCCGGCT CGGGGGGCCGG
A A L G A A N R G P R A E P P A

FIG. 5B

501 GCCACCGCCT CAGCCGCCTC CGCCACCGGG GTCTTCCCCG CCAAGGTGCT
 CGGTGGCGGA GTCGGCGGAG GCGGTGGCCC CAGAAGGGGC GGTTCCACGA
157 A T A S A A S A T G V F P A K V L

551 GGGGCTCCGC GTTTGCGGCC TCTACCGCGA GTGGCTGAGC CGCACCGAGG
 CCCCGAGGCG CAAACGCCGG AGATGGCGCT CACCGACTCG GCGTGGCTCC
174 G L R V C G L Y R E W L S R T E G

601 GCGACCTGGG CCAGCTGCTG CCCGGGGGCT CGGCCTGAGC GCCGCGGGGC
 CGCTGGACCC GGTCGACGAC GGGCCCCCGA GCCGGACTCG CGGCGCCCCG
191 D L G Q L L P G G S A O

651 AGCTCGCCCC GCCTCCTCCC GCTGGTTCC GTCTCTCCTT CCGCTTCTTT
 TCGAGCGGGG CGGAGGAGGG CGACCCAAGG CAGAGAGGAA GGCGAAGAAA

701 GTCTTCCTCT GCCGCTGTCTG GTGTCTGTCT GTCTGCTCTT AGCTGTCTCC
 CAGAAAGAGA CGGCGACAGC CACAGACAGA CAGACGAGAA TCGACAGAGG

751 ATTGCCTCGG CCTTCTTTGC TTTTGTTGGG GGAGAGGGGA GGGGACGGGC
 TAACGGAGCC GGAAGAACCG AAAAACACCC CCTCTCCCT CCCCTGCCCG

801 AGGGTCTCTG TCGCCCAGGC TGGGGTGCAG TGGCGCGATC CCAGCACTGC
 TCCCAGAGAC AGCGGGTCCG ACCCCACGTC ACCGCGCTAG GGTGCGACG

851 AGCCTCAACC TCCTGGGCTC AAGCCATCCT TCCGCCTCAG CTTCCCCAGC
 TCGGAGTTGG AGGACCCGAG TTCGGTAGGA AGGCGGAGTC GAAGGGGTCG

901 AGCTGGGACT ACAGGCACGC GCCACCACAG CCGGCTAATT TTTTATTAA
 TCGACCCCTGA TGTCCGTGCG CGGTGGTGTG GGCCGATTAA AAAATAAATT

951 TTTTTTGTAG AGACGAGGTT TCGCCATGTT GCCCAGGCTG GTCTTGAAC
 AAAAAACATC TCTGCTCCAA AGCGGTACAA CGGGTCCGAC CAGAACTTGA

1001 CCGGGGCTCA AGCGATCC
 GGCCCCGAGT TCGCTAGG

FIG. 6